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PTO/SB/05 (12/97)  
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 112028-14 Total Pages 31

First Named Inventor or Application Identifier

Maria E. Barone

Express Mail Label No. EM532031100US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)
2.  Specification [Total Pages 28]
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3.  Drawing(s) (35 USC 113) [Total Sheets ]
4. Oath or Declaration [Total Pages ]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)  
(Note Box 5 below)
  - i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting  
inventor(s) named in the prior application,  
see 37 CFR 1.63(d)(2) and 1.33(b).
5.  Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a  
copy of the oath or declaration is supplied under Box 4b,  
is considered as being part of the disclosure of the  
accompanying application and is hereby incorporated by  
reference therein.

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

6.  Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable; all necessary)
  - a.  Computer Readable Copy
  - b.  Paper Copy (identical to computer copy)
  - c.  Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

8.  Assignment Papers (cover sheet & document(s))
9.  37 CFR 3.73(b) Statement  Power of Attorney  
(when there is an assignee)
10.  English Translation Document (if applicable)
11.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS  
Citations
12.  Preliminary Amendment
13.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14.  Small Entity  Statement filed in prior application,  
Statement(s)  Status still proper and desired
15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16.  Other: .....
- .....
- .....

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No: \_\_\_\_\_

**18. CORRESPONDENCE ADDRESS**

Customer Number or Bar Code Label

or  Correspondence address below

(Insert Customer No. or Attach bar code label here)

NAME	Charles J. Barbas			
	Cesari and McKenna, LLP			
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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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## FEE TRANSMITTAL

Note: Effective October 1, 1997.  
Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)

## Complete if Known

Application Number	Not Yet Assigned
Filing Date	February 27, 1998
First Named Inventor	Maria E. Barone
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	112028-14

## METHOD OF PAYMENT (check one)

1.  The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:Deposit Account Number: \_\_\_\_\_  
Deposit Account Name: \_\_\_\_\_ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17.  Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance.2.  Payment Enclosed: Check  Money Order  Other

## FEE CALCULATION

## 1. FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 790	201 395	Utility filing fee	\$790
106 330	206 165	Design filing fee	
107 540	207 270	Plant filing fee	
108 790	208 395	Reissue filing fee	
114 150	214 75	Provisional filing fee	
SUBTOTAL (1)		(\$)	790

## 2. CLAIMS

Total Claims	Extra	Fee from below	Fee Paid
29	-20 =	9 X 22 =	\$198
Independent 7	-3 =	4 X 82 =	\$328
Claims		X	
Multiple Dependent Claims		X	

## Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description
103 22	203 11	Claims in excess of 20
102 82	202 41	Independent claims in excess of 3
104 270	204 135	Multiple dependent claim
109 82	209 41	Reissue independent claims over original patent
110 22	210 11	Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$)
526		

3. ADDITIONAL FEES	Fee Description	Fee Paid
105 130 205 65	Surcharge - late filing fee or oath	
127 50 227 25	Surcharge - late provisional filing fee or cover sheet	
139 130 139 130	Non-English specification	
147 2,520 147 2,520	For filing a request for reexamination	
112 920* 112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840* 113 1,840*	Requesting publication of SIR after Examiner action	
115 110 215 55	Extension for reply within first month	
116 400 216 200	Extension for reply within second month	
117 950 217 475	Extension for reply within third month	
118 1,510 218 755	Extension for reply within fourth month	
128 2,060 228 1,030	Extension for reply within fifth month	
119 310 219 155	Notice of Appeal	
120 310 220 155	Filing a brief in support of an appeal	
121 270 221 135	Request for oral hearing	
138 1,510 138 1,510	Petition to institute a public use proceeding	
140 110 240 55	Petition to revive - unavoidable	
141 1,320 241 660	Petition to revive - unintentional	
142 1,320 242 660	Utility issue fee (or reissue)	
143 450 243 225	Design issue fee	
144 670 244 335	Plant issue fee	
122 130 122 130	Petitions to the Commissioner	
123 50 123 50	Petitions related to provisional applications	
126 240 126 240	Submission of Information Disclosure Stmt	
581 40 581 40	Recording each patent assignment per property (times number of properties)	
146 790 246 395	Filing a submission after final rejection (37 CFR 1.129(a))	
149 790 249 395	For each additional invention to be examined (37 CFR 1.129(b))	
Other fee (specify) _____		
Other fee (specify) _____		
* Reduced by Basic Filing Fee Paid		SUBTOTAL (3) (\$)

## SUBMITTED BY

Typed or Printed Name

Charles J. Barbas

Complete if applicable

Reg. Number 32,959

Signature

Date 2/27/98

Deposit Account

User ID 03-1237

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re The Application of: )  
Maria E. Barone et al. )  
Serial No.: Not Yet Assigned )  
Filed: Herewith )  
For: Method and Apparatus for Predicting )  
Plasma-Process Surface Profiles )  
Examiner: Not Yet Assigned  
Art Unit: Not Yet Assigned  
Cesari and McKenna, LLP  
30 Rowes Wharf  
Boston, MA 02110  
March 3, 1998

**CERTIFICATE OF EXPRESS MAILING**

“Express Mail” Mailing-Label Number: EM532031100US

I hereby certify that the following new Patent Application is being deposited with the United States Postal Service “Express Mail Post Office to Addressee” service pursuant to 37 C.F.R. §1.10 in an envelope addressed to the Commissioner of Patents and Trademarks, Box New Application, Washington, D.C. 20231, on March 3, 1998.

  
Laura A. Norton